

Db 121 QTLFLKIPSTLAPPMDPSVPIIIFGVIFCIIVAIALLISGIWQRRRNKPSVVD 180

QY 181 DAEDKCNMTIENGIPSDPLDMKG 206

Db 181 DAEDKCNMTIENGIPSDPLDMKG 206

RESULT 212

AAW29670

ID AAW29670 standard; protein; 222 AA.

XX

AC AAW29670;

DT 09-NOV-1998 (first entry)

DE Homo sapiens clone AM42_3 secreted protein.

XX

KW Clone; secreted protein.

XX

OS Homo sapiens.

XX

FT Key Location/Qualifiers

FT Peptide 2..14

FT /note= "signal peptide"

XX WO9832853-A2.

XX

XX 30-JUL-1998.

XX

XX 23-JAN-1998; 98WO-US001396.

XX

XX 24-JAN-1997; 97US-00788789.

XX

XX (GENY) GENETICS INST INC.

XX

XX Jacobs K, McCoy JM, Lavallie ER, Racie LA, Merberg D, Treacy M;

XX Spaulding V, Agostino MJ;

XX N-PSDB; AAV40540.

XX WPI; 1998-427949/36.

XX

XX New isolated polynucleotide(s) and secreted proteins - isolated from

XX human foetal kidney, adult brain, adult salivary gland, foetal brain and

XX adult testes cDNA libraries.

XX

XX Claim 15; Page 65-66; 109pp; English.

XX

XX The sequence is that of a secreted protein. Such a protein can have

XX biological activities, e.g. nutritional activity, cytokine and cell

XX proliferation/differentiation activity, immune stimulating or suppressing

XX activity, haematopoiesis regulating activity, tissue growth activity,

XX activin/inhibin activity, chemotactic/chemokinetic activity, haemostatic

XX and thrombolytic activity, receptor/ligand activity, anti-inflammatory

XX activity, cadherin/tumour invasion suppressor activity, tumour inhibition

XX activity, and other activities

XX

SQ Sequence 222 AA;

Query Match 97.1%; Score 1070; DB 2; Length 222;

Best Local Similarity 99.5%; Pred. No. 2.2e-110; Mismatches 0; Gaps 0;

Matches 205; Conservative 1; Indels 0;

QY 1 MLWLLFFLVTAIAHAIQCQGAENAPKVRISIRLTALGDKAYAWDTNEEYLFKAWVAFSMRK 60

Db 1 MLWLLFFLVTAIAHAIQCQGAENAPKVRISIRLTALGDKAYAWDTNEEYLFKAWVAFSMRK 60

QY 61 VNREATEISHVLLCNVTQVSPFWVVTDPSPKHTLPDAVEVQSAIRMNQRINNAFFLND 120

Db 61 VNREATEISHVLLCNVTQVSPFWVVTDPSPKHTLPDAVEVQSAIRMNQRINNAFFLND 120

QY 121 QTLFLKIPSTLAPPMDPSVPIIIFGVIFCIIVAIALLISGIWQRRRNKPSVVD 180

Db 121 QTLFLKIPSTLAPPMDPSVPIIIFGVIFCIIVAIALLISGIWQRRRNKPSVVD 180

DO NOT
REMOVE
Send to
Applicant

XX Ruben SM, Florence K, Ni J, Rosen CA, Carter KC, Moore PA;
PI Olsen HS, Shi Y, Young PE, Wei F, Brewer LA, Soppet DR, Lafleur DW;
PI Endress GA, Ebner R;
XX WPI; 2000-062296/05.
DR N-PSDB; AAZ65261.
XX
XX New isolated human genes and the secreted polypeptides they encode,
PT useful for diagnosis and treatment of e.g. cancers, neurological
PT disorders, immune diseases, inflammation or blood disorders.
XX
XX Claim 11; Page 365-366; 475pp; English.
XX
XX AAZ65250 to AAZ65350 represent 97 isolated human secreted protein genes.
CC
XX AAZ65250 to AAZ65223 represent the secreted proteins encoded by the 97
CC human genes. The genes and their corresponding secreted polypeptides are
CC useful for preventing, treating or ameliorating medical conditions, e.g.
CC by protein or gene therapy. Also pathological conditions can be diagnosed
CC by determining the amount of the new polypeptides in a sample or by
CC determining the presence of mutations in the new genes. Specific uses are
CC described for each of the 97 genes, based on which tissues they are most
CC highly expressed in, and include developing products for the diagnosis or
CC treatment of cancer, tumours, developmental abnormalities and foetal
CC deficiencies, blood disorders, diseases of the immune system, autoimmune
CC diseases, inflammation, allergies, Alzheimer's and cognitive disorders,
CC schizophrenia, arthritis, asthma, psoriasis, sepsis, skin disorders,
CC atherosclerosis, diabetes, cardiovascular disorders, kidney disorders,
CC digestive/endocrine disorders, infections and AIDS. The polypeptides are
CC also useful for identifying their binding partners. The sequences shown
CC in AAZ65224 to AAZ65424 represent fragments of the secreted proteins
XX
XX SQ Sequence 223 AA;
XX
XX Query Match 96.7%; Score 1066; DB 3; Length 223;
XX Best Local Similarity 99.5%; Pred. No. 6.3e-110;
XX Matches 205; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
XX QY 1 MLWLLFLVTAHAEALCPGAENAFKVLRSIRLTALGDKAYADTNEEYLFKAMVAFSMRK 60
XX DB 1 MLWLLFLVTAHAEALCPGAENAFKVLRSIRLTALGDKAYADTNEEYLFKAMVAFSMRK 60
XX
XX QY 61 VPNEARETEISHVLACNTQVSFWFVVTDPKSHHTLPAVEVQSAIRNMKNRINNAPFLND 120
XX DB 61 VPNEARETEISHVLACNTQVSFWFVVTDPKSHHTLPAVEVQSAIRNMKNRINNAPFLNK 120
XX
XX QY 121 QTLBFLKIPSTLAPPMDFSVPIWIIIFGVIFCIIIVAILLISGIWQRKKPKSPSEVD 180
XX DB 121 QTLBFLKIPSTLAPPMDFSVPIWIIIFGVIFCIIIVAILLISGIWQRKKPKSPSEVD 180
XX
XX QY 181 DAEDKCNMTIENGIPSDPLDMKGG 206
XX DB 181 DAEDKCNMTIENGIPSDPLDMKGG 206
XX
XX RESULT 215
XX ID AA04156 standard; protein; 222 AA.
XX AC AA04156;
XX
XX DT 16-JUN-1999 (first entry)
XX
XX DE Human 5' EST secreted protein SEQ ID NO:27.
XX
XX Human; secreted protein; EST; expressed sequence tag; diagnosis;
XX forensic; gene therapy; chromosome mapping; signal peptide;
XX upstream regulatory sequence; cytokine activity; cell proliferation;
XX differentiation; haematopoiesis regulation; tissue growth regulation;
XX reproductive hormone regulation; chemotactic; chemokinetic; haemostatic;
XX thrombolytic; anti-inflammatory; tumour inhibition.
XX
XX OS Homo sapiens.

RESULT 214
AAZ6135
ID AAZ6135 standard; protein; 223 AA.
XX
XX AC AAZ6135;
XX
XX DT 23-MAR-2000 (first entry)
XX
XX DE Human secreted protein encoded by gene 12.
XX
XX Human; secreted protein; cancer; tumour; developmental abnormality;
XX foetal deficiency; blood disorder; immune system disorder; inflammation;
XX autoimmune disease; allergy; Alzheimer's disease; cognitive disorder;
XX schizophrenia; arthritis; asthma; psoriasis; sepsis; skin disorder;
XX atherosclerosis; diabetes; cardiovascular disorder; kidney disorder;
XX digestive disorder; endocrine disorder; infection; AIDS; leukaemia;
XX therapy.
XX
XX OS Homo sapiens.
XX
XX FN WO958660-A1.
XX
XX PD 18-NOV-1999.
XX
XX PP 06-MAY-1999; 99WO-US009847.
XX
XX PR 12-MAY-1998; 98US-0085093P.
XX PR 12-MAY-1998; 98US-0085094P.
XX PR 12-MAY-1998; 98US-0085105P.
XX PR 12-MAY-1998; 98US-0085180P.
XX PR 12-MAY-1998; 98US-0085906P.
XX PR 12-MAY-1998; 98US-0085920P.
XX PR 12-MAY-1998; 98US-0085921P.
XX PR 12-MAY-1998; 98US-0085922P.
XX PR 12-MAY-1998; 98US-0085923P.
XX PR 12-MAY-1998; 98US-0085924P.
XX PR 12-MAY-1998; 98US-0085925P.
XX PR 12-MAY-1998; 98US-0085927P.
XX PR 12-MAY-1998; 98US-0085928P.
XX
XX PA (HUMA-) HUMAN GENOME SCI INC.

XX WO9906439-A2.
XX
XX PD 11-FEB-1999.
XX
XX FF 31-JUL-1998; 98WO-IB001233.
XX
XX PR 01-AUG-1997; 97US-00904468.
XX
XX PA (GEST) GENSET.
XX
XX FI Dumas Milne Edwards J, Duclert A, Lacroix B;
XX
XX DR WPI; 1999-153700/13.
XX
XX DR N-PSDB; AAX19983.
XX
XX PT New nucleic acids encoding human secreted proteins - obtained from cDNA
XX PT libraries derived from liver, lung, large intestine, colon, thyroid and
XX PT pancreas tissue.
XX
XX PS Example 28; Page 157-158; 398pp; English.
XX
XX CC AAX40251 to AAX40397 represent 5' expressed sequence tags (ESTs) for
XX CC human secreted proteins, and encode the proteins given in AAY1533 to
XX CC AAY1679, respectively. The proteins given represent the signal peptide
XX CC and an N-terminal fragment of a secreted protein. The nucleic acid
XX CC sequences can be used for producing secreted human gene products. They
XX CC can also be used to develop products for diagnosis and therapy. The
XX CC proteins obtained may have cytokine activity, cell
XX CC proliferation/differentiation activity, haematopoiesis regulating
XX CC activity, tissue growth regulating activity, reproductive hormone
XX CC regulating activity, chemotactic/chemokinetic activity, haemostatic and
XX CC thrombolytic activity, receptor/ligand activity, anti-inflammatory
XX CC activity, tumour inhibition activity or other activities. The products
XX CC can be used in forensic, gene therapy and chromosome mapping procedures.
XX CC The sequences can also be used for obtaining corresponding promoter
XX CC sequences. The nucleic acids encoding the signal peptide can be used for
XX CC directing extracellular secretion of a polypeptide or the insertion of a
XX CC polypeptide into a membrane, or importing a polypeptide into a cell. The
XX CC present sequence represents the protein from a 5' EST from an example of
XX CC the present invention
XX
XX SQ Sequence 222 AA;

Query Match 95.1%; Score 1048; DB 2; Length 222;
Best Local Similarity 98.1%; Pred. No. 6.3e-108;
Matches 202; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 MLWLLFFLVTAIHAELCQPGAENAFKRLSIRLTALGDKAYAWDTNNEEYLFKAWAFSMRK 60
Db 1 MLWLLFFLVTAIHAELCQPGAENAFKRLSIRLTALGDKAYAWDTNNEEYLFKAWAFSMRK 60

QY 61 VNNREATEISHVLLCNVTORVSFWVVDPSKNHTLPAVEVQSATRMKNRINNAPFLND 120
Db 61 VNNREATEISHVLLCNVTORVSFWVVDPSKNHTLPAVEVQSATRMKNRINNAPFLND 120

QY 121 QTEFLKIPSTLAPMDPSVPIWIIIFGVIFCIIVAIALLISGIWQRKRNKEPSEVD 180
Db 121 QTEFLKIPSTLAPMDPSVPIWIIIFGVIFCIIVAIALLISGIWQRKRNKEPSEVD 180

QY 181 DAEDKCNMTTENGIPSDPLDMKGG 206
Db 181 DAEXXCENMTTENGIPSDPLDMKGG 206